UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Fundamentals of Human Morphology

2324-1-H4102D087

Aims

The student will be able to communicate effectively with colleagues and to use and understand anatomical language appropriately. Knowledge of accepted general anatomical terminology will be achieved.

The general features of the systems further described in detail in “Cardiovascular and Respiratory diseases” and “Neuroscience I and II” will be addressed. Specific reference to clinical anatomy features will also be performed.

Students will be able to describe the structure and ultrastructure of the eukaryotic cell and the morphology correlate with the function of each organelle; then they will be able to describe the structure and morpho-functional characteristics of human tissues (epithelial, connective, muscle and nervous tissues) as well as to describe the main events of gametogenesis and early embryogenesis.

The student will be able to indicate the normal microscopic organization of the main organs of the human organism. The microscopic and functional structure of the organs of the digestive, respiratory, urinary, genital, lymphatic, nervous, endocrine and integumentary organs will be addressed in preparation to histopathological assessment.

Contents

Students will be introduced to:

- principles of histology, embryology, and regional anatomy;

- general principles of systematic anatomy

- use of the light microscope and organ recognition

- clinical Anatomy

Lessons contents will be supported by the activities of Clerkship 2, modules “Histology” e “Regional anatomy”

Detailed program

Detailed program is available under the section of each module

Prerequisites

College-level scientific knowledge

Teaching form

Lessons, seminars, laboratory practice

Textbook and teaching resource

See each module for specific textbooks and resources

Semester

1st + 2nd terms

Assessment method

The examination will be written, practical, and oral. The attendance to the classrooms for at least 70% of the lessons is required to take the examination.

At the end of 1st term an interim optional written test (20 multiple choice quizzes) will be done on cytology, embryology, and histology topics discussed during the first part of the course. Each student will be assigned a judgment based on the number of correct answers (0-10=not passed; 11-13=sufficient; 14-16=fair; 17-18=good; 19-20=very good).

After this part is passed, the final examination will be mainly, but not exclusively, focused on the contents of the second term.
To be admitted to the practical and oral examination, a pass should be obtained on a written test that will be performed on the same day (20 multiple choice quizzes, threshold to be admitted to the practical and oral examination at 11 exact answers). This test will explore the knowledge of all modules of the "Fundamentals of Human Morphology" course.

Students admitted to the practical and oral examination will be tested first on the parts of the program concerning cytology, embryology, histology (only for those who did not pass the interim written test), and microscopic anatomy. All students will be tested also for the description/recognition of one slide observed at the light microscope, belonging to the systems described during the course of microscopic anatomy. Each student will be assigned a judgment (not passed; sufficient; fair: good, very good).

Students who passed both the multiple choice test and the first part of the practical and oral examination will be admitted to the third part of the examination: here all the topics of General and Regional Anatomy enlisted in the syllabus will be tested, also exploiting the digital anatomy visualization and virtual dissection AnatomageTM table.

If passed, the student will receive a final mark (from 18 to 30L) which will take into account all parts of the exam.

Office hours

See each module for information.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | GENDER EQUALITY | REDUCED INEQUALITIES